

Osamu Ohara

## APPLYING TRIPLE STRAND DNA FORMATION TECHNIQUE

<130> AIC-101

<140>

&lt;141&gt;

<150> JP 2000-386361

<151> 2000-12-20

&lt;160&gt; 37

&lt;170&gt; PatentIn Ver. 2.0

<210> 1

<211> 60

&lt;212&gt; DNA

### <213> Artificial Sequence

$\langle 220 \rangle$

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 1

agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 60

<210> 2

<211> 60

&lt;212&gt; DNA

$\langle 220 \rangle$ 

<400> 2

<210> 3

&lt;211&gt; 60

## <212> DNA

$\langle 220 \rangle$

<400> 3

&lt;210&gt; 4

&lt;211&gt; 60

&lt;212&gt; DNA

### ⟨213⟩ Artificial Sequence

 $\langle 220 \rangle$ 

<400> 4

tgtttttagtg tattcttttcg cctcttttcgt tttaggttgg tgccttcgta gtggcattac 60

<210> 5

&lt;211&gt; 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 5

gtaatgccac tacgaaggca ccaacctaaa acgaaagagg cgaaagaata cactaaaaca 60

<210> 6

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 6

tccgatgctg tctttcgctg ctgagggtga cgatcccgca aaagcggcct ttaactcct 60

<210> 7

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 7

ctaccctcgt tccgatgctg tctttcgctg ctgagggtga cgatcccgca aaagcggcct 60

<210> 8

<211> 60

<212> DNA

92563550

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 8

gtagccgttg ctaccctcgt tccgatgctg tctttcgctg ctgagggtga cgatcccga 60

<210> 9

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 9

caaagcctct gtagccgttg ctaccctcgt tccgatgctg tctttcgctg ctgagggtga 60

<210> 10

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 10

ctttagtctt caaagcctct gtagccgttg ctaccctcgt tccgatgctg tctttcgctg 60

<210> 11

<211> 80

<212> DNA

09989536-42104

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 11

ctaccctcgt tccgatgctg tctttcgtg ctgagggtga cgatcccgca aaagcggcct 60  
ttaactccct gcaagcctca 80

<210> 12

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 12

ctgagggtga cgatcccgca aaagcggcct ttaactccct gcaagcctca 50

<210> 13

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 13

cgatcccgca aaagcggcct ttaactccct gcaagcctca 40

<210> 14

<211> 30

0599556-12101  
T02T"ca99999

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 14

aaagcggcct ttaactccct gcaagcctca

30

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 15

ttaactccct gcaagcctca

20

<210> 16

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 16

agaggctttg aggactaaag actttttcat caggaagttt ccattaaacg ggtaaaatac 60

<210> 17

<211> 60

0999555 44101

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 17

acgccgggca agagcaactc ggtcgccgca gacactattc tcagaatgac ttggttgagt 60

<210> 18

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 18

acgccgggca agagcaactc ggtcgccgca aacactattc tcagaatgac ttggttgagt 60

<210> 19

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 19

acgccgggca agagcaactc ggtcgccgca cacactattc tcagaatgac ttggttgagt 60

<210> 20

<211> 120

00995544  
255660

### ⟨213⟩ Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 20

tgcgggatcg tcacctcag cagcgaaaga cagcatcgga acgagggtag caacgggtac 60  
agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaatac 120

&lt;210&gt; 21

$\langle 211 \rangle$  120

&lt;212&gt; DNA

### <213> Artificial Sequence

 $\langle 220 \rangle$ 

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 21

ggcgggatcg tcacctcag cagcgaaaga cagcatcgga acgagggtag caacgggtac 60  
agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120

&lt;210&gt; 22

$\langle 211 \rangle$  120

&lt;212&gt; DNA

### <213> Artificial Sequence

 $\langle 220 \rangle$ 

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 22

tgccgggatcg tcacgctcag cagcgaaaga cagcatcgga acgagggtag caacgggtac 60  
agaggcctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120



$\langle 211 \rangle$  120

### <213> Artificial Sequence

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

tgcgggatcg tcacctcag cagcgggaaga cagcatcgga acgagggtag caacgggtac 60  
agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120

$\langle 211 \rangle$  120

### <213> Artificial Sequence

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

tgccgggatcg tcaccctcag cagcgaaaga cagcgtcgga acgagggtag caacgggtac 60  
agaggtctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120

 $\langle 211 \rangle$  120

### <213> Artificial Sequence

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

tgcgggatcg tcacctcag cagcgaaga cagcatcgga acgagggtag gaacggctac 60  
agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120

&lt;211&gt; 119

&lt;212&gt; DNA

### <213> Artificial Sequence

 $\langle 220 \rangle$ 

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

tgccggatcg tcaccctcag cagcgaaaga cagcatcgga acgagggtag caacgggtaca 60  
gaggctgtga ggactaaaga ctttttcatg aggaagtttc cattaaacgg gtaaaatac 119

&lt;210&gt; 27

 $\langle 211 \rangle$  120

<212> DNA

### <213> Artificial Sequence

 $\langle 220 \rangle$ 

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 27

tgcgggatcg tcacctcag cagcgaaaga cagcatcgga acgagggtag caacggctac 60  
agaggctttg aggactaaag acttigtcat gaggaagttt ccattaaacg ggtaaaatac 120

&lt;210&gt; 28

 $\langle 211 \rangle$  120

&lt;212&gt; DNA

### <213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 28

tgcgggatcg tcaccctcag cagcgaaaga cagcatcgga acgagggtag caacggctac 60  
agaggctttg aggactaaag actttttcat gaggaggtt ccattaaacg ggtaaaatac 120

<210> 29

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 29

tgcgggatcg tcaccctcag cagcgaaaga cagcatcgga acgagggtag caacggctac 60  
agaggctttg aggactaaag actttttcat gaggaagttt ccattgaacg ggtaaaatac 120

<210> 30

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 30

cgaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 60

<210> 31

<211> 60

<212> DNA

<213> Artificial Sequence

0999554 11101

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 31

agaggctttg cggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 60

<210> 32

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 32

agaggctttg aggactaaag cctttttcat gaggaagttt ccattaaacg ggtaaaatac 60

<210> 33

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 33

agaggctttg aggactaaag actttttcat gaggaagttc ccattaaacg ggtaaaatac 60

<210> 34

<211> 60

<212> DNA

<213> Artificial Sequence

09989526-12101

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 34

agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacc ggtaaaatac 60

<210> 35

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 35

agaggctttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatcc 60

<210> 36

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 36

agaggctttg aggactaaag actttttcat gcaggaagtt tccattaaac gggtaaaata 60  
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<210> 37

<211> 59

<212> DNA

0989526-12101

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Oligonucleotide Sequence

<400> 37

agaggctttg aggactaaag actttttcat aggaagtttc cattaaacgg gtaaaatac 59

099556 1110  
TCTT 325360